

CLAIMS:

1. A tool for directing bone replacement material into a defined space comprising:
  - a) an elongated hollow tube having a proximal and a distal end, said proximal end being adapted for attachment to a source of bone replacement material
- 5 under pressure; and
  - b) said distal end including at least one deflector opening for deflecting bone replacement material out of said tube at an angle relative to a longitudinal axis of said tube.
- 10 2. The tool of claim 1 wherein each said deflector opening has a length of between about  $1 \frac{1}{2}$  to  $3 D$ , wherein  $D$  is the diameter of said tube.
3. The tool of claim 1 wherein each said deflector opening includes a deflector for deflecting bone replacement material from said tube through said deflector opening.
- 15 4. The tool of claim 3 including two opposing deflector openings and said deflector is a tapered wedge adjacent the distal end of said tube.
5. The tool of claim 3 including a single deflector opening and said deflector
- 20 presents an angled ramp to said deflector opening.
6. The tool of claim 5 wherein said distal end of said tube is closed or open up to  $\frac{1}{2} D$ , wherein  $D$  is the diameter of said tube.